IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1-30. (Canceled)

31. (Currently Amended) An encoding system for encoding input video data, comprising:

counting means for counting fields in the input video data having a particular frame frequency;

converting means for converting the input video data having said particular frame frequency into video data with a second frame frequency;

encoding means for encoding the converted video data to generate an elementary stream and describing, in said elementary stream, picture order information about a picture order of said elementary stream; said encoding means generating said picture order information based on the fields counted in said counting means; said picture order information including a presentation time stamp count corresponding to the count of said counting means and a decoding time stamp count representing decoding times for the pictures of said elementary stream;

a packetizer for packetizing said elementary stream ~~and generating time stamp information about said elementary stream based on said picture order information described in said elementary stream~~ with said presentation and decoding time stamp counts;

extracting means for extracting ~~ancillary data from vertical blanking interval the input data and line number of the ancillary data~~ from said input video data information representing number of lines corresponding to a vertical start position of an active video area and number of samples corresponding to a horizontal start position of said active video area; and

supply means for supplying the extracted ~~ancillary data~~ information to a controller thereby supplying unique information pertaining to V-phase and H-phase positioning of said active video area.

32. (Previously Presented) The encoding system according to claim 31, wherein said encoding means describes said picture order information in a picture layer of said elementary stream.

33. (Previously Presented) The encoding system according to claim 31, wherein said packetizer extracts said picture order information from said elementary stream by parsing the syntax of said elementary stream.

34. (Canceled)

35. (Currently Amended) The encoding system according to claim 31, wherein said packetizer adds said ~~time stamp information~~ presentation and decoding time stamp counts to a header of said packetized elementary stream.

36. (Previously Presented) The encoding system according to claim 31, wherein said particular frame frequency is a 30-Hz frame frequency generated by a 3:2 pull-down process performed on source video data with a second frame frequency of 24-Hz.

37. (Currently Amended) A method of encoding input video data, comprising the steps of:

counting fields in the input video data having a particular frame frequency;

converting the input video data having said particular frame frequency into video data with a second frame frequency;

encoding the converted video data to generate an elementary stream;

describing, in said elementary stream, picture order information about a picture order of said elementary stream;

generating said picture order information based on the counted fields; said picture order information including a presentation time stamp count corresponding to the field count and a decoding time stamp count representing decoding times for the pictures of said elementary stream;

packetizing said elementary stream ~~and generating time stamp information about said elementary stream based on said picture order information described in said elementary stream~~ with said presentation and decoding time stamp counts;

extracting ~~ancillary data from vertical blanking interval the input data and line number of the ancillary data~~ from said input video data information representing number of lines corresponding to a vertical start position of an active video area and number of samples corresponding to a horizontal start position of said active video area; and

supplying the extracted ~~ancillary data~~ information to a controller thereby supplying unique information pertaining to V-phase and H-phase positioning of said active video area.